

CALL FOR PAPERS

31st ACM Symposium on PARALLELISM IN ALGORITHMS AND ARCHITECTURES (SPAA)

Phoenix, AZ, USA

June 22–24, 2019

<http://www.spaa-conference.org>

Contributed papers are sought in *all* areas of parallel algorithms and architectures, encompassing any computational system that can perform multiple operations or tasks simultaneously. Topics of interest include, but are not limited to:

- Parallel and Distributed Algorithms
- Green Computing & Power-Efficient Architectures
- Parallel Complexity Theory
- Multi-Core Architectures
- Compilers and Tools for Concurrent Programming
- Transactional Memory Hardware and Software
- Game Theory and Collaborative Learning
- Resource Management and Awareness
- Mobile, Ad-Hoc, and Sensor Networks
- Synergy of Parallelism in Algorithms, Programming and Architecture
- Parallel and Distributed Data Structures
- Management of Massive Data Sets
- Parallel and Distributed Architectures
- Instruction Level Parallelism and VLSI
- Supercomputer Architecture and Computing
- The Internet and the World Wide Web
- Routing and Information Dissemination
- Peer-to-Peer Systems
- Robustness, Self-Stabilization, and Security

SUBMISSIONS: Authors of contributed papers are encouraged to submit their manuscript electronically. To submit electronically, visit <http://www.spaa-conference.org> for instructions. *This is the preferred method of submission.* Authors unable to submit electronically should contact the program chair Petra Berenbrink at berenbrink@informatik.uni-hamburg.de to receive instructions.

Regular papers: A regular paper submission must report on original research that has not been previously or concurrently published. Submitted manuscripts may not exceed ten (10) single-spaced double-column pages. The title page, bibliography and designated figure pages (containing only figures) are not counted toward the ten pages. All necessary details to substantiate the claims of the paper should be included in a clearly marked appendix. If desired, the authors can simply attach a copy of the full paper as an appendix. Regular papers will be allotted up to 10 pages in the proceedings.

Brief announcements: Examples of good brief announcements include: work in progress, announcement of tools/libraries, challenge problems posted to the community, corrections to earlier results. Brief announcements may also include smaller results of interest. Submitted manuscripts may not exceed two (2) single-spaced double-column pages for brief announcements. The title page, bibliography and designated figure pages (containing only figures) are not counted toward the two pages.

See <https://www.acm.org/publications/proceedings-template>. Please indicate in the title of your manuscript whether this is a regular paper or a brief announcement. All regular rejected papers automatically will be considered for brief announcements. Titles of regular papers which should not be considered for this option should mention “full paper only” after the title.

IMPORTANT DATES:

Submission deadlines:

January 8, 2019, 11:59 p.m. EST for the abstracts and

January 11, 2019, 11:59 p.m. EST for the full papers.

Notification: **March 11, 2019**.

Camera-ready copy due: **April 21, 2019**.

PROGRAM COMMITTEE:

Hagit Attiya (Technion, Israel)	Chen Avin, (Ben-Gurion Univ. of the Negev, Israel)
James Aspnes (Yale University, USA)	Oliver Beaumont (INRIA Bordeaux, France)
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CONFERENCE PRESENTATION:

Regular presentations will be allotted a 25-minute talk and up to 10 pages in the proceedings. This format is intended for contributions reporting original research, submitted exclusively to this conference.

Brief announcements will be allotted a 10-minute talk and a two-page abstract in the proceedings. This format is a forum for brief communications, which may be published later in other conferences.

Every regular paper is eligible for the **best paper award**. The program committee may decline to make this award or may split the award among multiple papers.

CONFERENCE ORGANIZATION:

Conference Chair: Christian Scheideler (Univ. of Paderborn)

Local Arrangements: ACM

Publicity Chair: Nodari Sitchinava (Univ. of Hawai at Manoa)

Program Chair: Petra Berenbrink (Univ. Hamburg)

Treasurer: David Bunde (Knox College)

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